

DAILY ONLINE ACTIVITIES SUMMARY

Date:	15/06/2020	Name:	Shetty Sonali Sanjeeva
Sem & Sec	8 th B	U SN:	4AL16CS123
Online Test Summary			
Subject	Sms		
Max. Marks		Score	Dint receive mail
Certification Course Summary			
Course	Machine learning with python		
Certificate Provider	Cognitive classes.ai	Duration	3 hour
Coding Challenges			
Problem Statement – #Python implementation to reverse bits of a number			
Status: Solved			
Uploaded the report in Github		yes	
If yes Repository name		SONALI SHETTY	
Uploaded the report in slack		yes	

Online Test Details:

.....

Certification Course Details:

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Machine Learning with Python

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Welcome!

This Machine Learning with Python course dives into the basics of machine learning using an approachable, and well-known, programming language. You'll learn about Supervised vs Unsupervised Learning, look into how Statistical Modeling relates to Machine Learning, and do a comparison of each. Look at real-life examples of Machine learning and how it affects society in ways you may not have guessed!

Please pay attention that this course has some hands-on labs which requires that you have working knowledge of Python programming language. If you don't feel you have sufficient skill in Python programming I recommend you take [Python for data science](#) or [Data Analysis with Python](#) courses.

Click on **Courseware** to start the course.

Saeed Aghabozorgi

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Important Course Dates
Today is Jun 6, 2020 14:36 IST

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✓ Welcome!

✓ Welcome! (3:15)
[Welcome! \(3:15\)](#)

> About this course

> Module 1 - Machine Learning

> Module 2 - Regression

> Module 3 - Classification


> Module 4 - Clustering

> Module 5 - Recommender Systems

> Final Exam

> Certificates and Badges

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You are taking "Final Exam" as a timed exam. The timer on the right shows the time remaining in the exam. To receive credit for problems, you must select "Submit" for each problem before you select "End My Exam".

End My Exam

0:59:39



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Final Exam

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Final Exam Instructions

1. Time allowed: **1 hour**
2. Attempts per question:
 - One attempt - For True/False questions
 - Two attempts - For any question other than True/False
3. Clicking the **"Final Check"** button when it appears, means your submission is **FINAL**. You will **NOT** be able to resubmit your answer for that question ever again.

IMPORTANT: Do not let the time run out and expect the system to grade you automatically. You must explicitly submit your answers, otherwise they would be marked as incomplete.

Question 1

1 point possible (graded)

You can define Jaccard as the size of the intersection divided by the size of the union of two label sets.

☒ True

☐ False

Submit

You have used 0 of 1 attempt

[Save](#)

Question 2

1 point possible (graded)

When building a decision tree, we want to split the nodes in a way that increases entropy and decreases information gain.

☒ True

☐ False

Submit

You have used 0 of 1 attempt

[Save](#)

Question 3

	<p>Lab: DBSCAN Clustering</p> <p>No problem scores in this section</p> <p>Graded Review Questions (2/3) 67%</p> <p>Review Questions</p> <p>Problem Scores: 1/1 0/1 1/1</p>	
Module 5 - Recommender Systems	<p>Learning Objectives</p> <p>No problem scores in this section</p> <p>Recommender Systems (4:33)</p> <p>No problem scores in this section</p> <p>Content-based (5:12)</p> <p>No problem scores in this section</p> <p>Lab: Content-based</p> <p>No problem scores in this section</p> <p>Collaborative Filtering (7:06)</p> <p>No problem scores in this section</p> <p>Lab: Collaborative Filtering</p> <p>No problem scores in this section</p> <p>Graded Review Questions (2/3) 67%</p> <p>Review Questions</p> <p>Problem Scores: 1/1 0/1 1/1</p>	
Final Exam	<p>Instructions</p> <p>No problem scores in this section</p> <p>Course Survey</p> <p>No problem scores in this section</p> <p>Final Exam (15/20) 80%</p> <p>Final Exam</p> <p>Problem Scores: 1/1 0/1 1/1 1/1 0/1 1/1 1/1 1/1</p> <p>1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1</p> <p>0/1 1/1 1/1 1/1 0/1 1/1</p> <p>Redo Exam</p> <p>No problem scores in this section</p>	
Certificates and Badges	<p>Certificates and Badges</p> <p>No problem scores in this section</p>	



Coding challenge details:

#Python implementation to reverse bits of a number

```
def reverseBits(n):
```

```
    rev=0
```

```
    #traversing
```

```
    while(n>0):
```

```
        rev=rev<<1
```

```
        #if current bit is '1'
```

```
            if(n&1==1):
```

```
                rev=rev^1
```

```
        #bitwise rightshift 'n' by 1
```

```
        n=n>>1
```

```
    return rev
```

```
n=11
```

```
print(reverseBits(n))
```